

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) [[A]] An electrical connector including comprising:
a header comprising having a header body formed of an insulation material, and one-or a plurality of header posts held on a side wall of the header body; and
a socket-comprising having a socket body formed [[on]] of an insulation material and having a plug groove with which the header is engaged configured to engage the header, and one-or a plurality of socket contacts held on a side wall of the plug groove of the socket body, wherein the socket contacts are configured to contact and contacted with the header posts when the header is engaged with engages the plug groove; characterized by that, wherein:
the header body has a plurality of concave portion portions provided on a first face-in-side which is to be engaged with which faces a bottom face of the plug groove, wherein the first face is configured to engage the plug groove, and wherein at least one of the socket contacts has a first contact portion of the socket body;
at least one of the header post posts has a second contact portion,

disposed along a side wall of the header body, and contacted with [[a]] and configured to contact the first contact portion of the at least one socket contact, a curved portion formed in a substantially reverse U-shape extending from a vicinity of an end [[in]] of the first face side of the side wall of the header body toward which is proximate the side wall, towards the concave portion, and a terminal portion formed to protrude outward from a side of the second contact portion opposite to the curved portion to be such that the terminal portion is substantially perpendicular to the side wall and to be soldered on to a circuit board; and

the concave portion is portions are separated by at least two cross walls which separate respective gaps provided between the header posts such [[so]] that an enclosed space is formed by the at least two cross walls, a bottom face of the concave portion and [[the]] an adsorption face of [[the]] an adsorption nozzle in a state that when the adsorption face of the adsorption nozzle is contacted with contacts the first face so that such that a suction opening of the adsorption nozzle faces the concave portion.

2. (Canceled).

3. (Currently Amended) The electrical connector in accordance with claim 1, characterized by that wherein the socket body has an engaging plug groove of the socket body has a substantially rectangular shape with which and the header is engaged formed in configured to engage a center portion thereof seen

from front, and wherein the plug groove has two side walls, and for the socket body has engaging concavities formed in vicinities of both end portions of both the two side walls, and

when the socket body is mounted on a circuit board, an adsorption cover is attached to the socket body via due to engaging portions of the adsorption cover covering at least a part of the engaging plug groove are engaged with and engaging the engaging concavities of the socket body, and wherein a portion of the adsorption cover covering a part of the engaging groove is adsorbed and held by the adsorption nozzle.

4. (Currently Amended) The electrical connector in accordance with claim 3, wherein characterized by that the socket body has inserted or press-fitted reinforcing members in vicinities of both provided proximate the end portions [[in]] of the two side walls longitudinal direction thereof; and

the engaging concavities are formed at positions distant from fixed portions of the reinforcing member.

5. (Currently Amended) The electrical connector in accordance with claim 1, wherein characterized by that a protrusion and a concavity are serially provided on the second contact portion of the at least one header post and extend along a heightwise direction of the header [[to]] toward a second face opposite to the first face.

6. (Currently Amended) The electrical connector in accordance with claim 5, wherein characterized by that the protrusion is formed in the heightwise direction of the at least one header post at a position a-little nearer to the first face from center in than the second face in the heightwise direction of the header post.

7. (Currently Amended) The electrical connector in accordance with claim 5, wherein characterized by that a slanted face is formed on an outer face of the protrusion in a manner so such that a dimension of the protrusion at a portion nearer to a second face opposite to the first face becomes larger in a direction extending from the first face toward the second face.

8. (Currently Amended) The electrical connector in accordance with claim 4, wherein (SIC: correctly 5)—characterized by that the concavity [[is]] has a channel shape and is elongated along the heightwise direction of the at least one header post.

9. (Currently Amended) The electrical connector in accordance with claim 8, wherein characterized by that the concavity has two slanted faces having a depth [[of]] which becomes deeper for approaching to the as the slanted faces approach a center of the at least one header post in [[the]] a widthwise direction thereof, so that the such that a section in the widthwise direction of the at least one header post becomes has a substantially V-shape.

10. (Currently Amended) The electrical connector in accordance with claim 5, wherein characterized by that a width dimension of the concavity in the widthwise direction of the at least one header post is formed to be larger than a width dimension of the protrusion and smaller than a width direction of the first contact portion of the at least one socket contact.

11. (Currently Amended) The electrical connector in accordance with claim 5, wherein characterized by that dimensions and position of the concavity in the heightwise direction of the at least one header post is established in a scope that configured to allow the first contact portion of the at least one socket contact slides to slide on the second contact portion.